

# NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

The drawing filed, insert date 11-17-99, are:

A 1 not objected to by the Draftperson under 37 CFR 1.84 or 1.152.

B 2 objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings, when necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

## 1. DRAWINGS 37 CFR 1.84(a). Acceptable categories of drawings:

Black ink, Color

1 Color drawing are not acceptable until petition is granted.

Fig(s) 1A-1D, 9A-9D, 14A-14C, 19A-19D

1 Perfect and non black ink is not permitted. Fig(s) 19D

## 2. PHOTOGRAPHS 37 CFR 1.84(b)

1 Photographs are not acceptable until petition is granted.

1 Full-tone sets are required. Fig(s) 19D

1 Photograph not properly mounted (must be on board or photographic double-weight paper). Fig(s) 19D

1 Poor quality (half tone). Fig(s) 19D

## 3. TYPE OF PAPER 37 CFR 1.84(c)

1 Paper not flexible, strong, white and durable.

Fig(s) 19D

1 Erasures, alterations, over writings, interlineations, folds, copy machine marks not acceptable (too thin).

1 Material, e.g. paper is not acceptable (too thin).

Fig(s) 19D

## 4. SIZE OF PAPER 37 CFR 1.84(f). Acceptable sizes:

1 21.0 cm by 29.7 cm (DIN size A4)

1 21.6 cm by 27.9 cm (8 1/2 x 11 in. sheet)

1 All drawing sheet not the same size.

Sheet(s) 19D

## 5. MARGINS 37 CFR 1.84(g). Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: 8 1/2 x 11

1 Margins not acceptable. Fig(s) 4, 9A-9D, 19A

1 Top (T) Left (L)

1 Right (R) Bottom (B)

## 6. VIEWS 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

1 Views connected by projection lines or lead lines.

Fig(s) 19D

Partial views 37 CFR 1.84(h)(2)

1 Bracket needed to show figure as one entity.

Fig(s) 19D

1 View not lined if separate is proper.

Fig(s) 19D

1 Enlarged view not labeled separately or properly.

Fig(s) 19D

## 7. SECTIONAL VIEWS 37 CFR 1.84(h)(3)

1 Hatching not indicated for sectional portions of an object.

Fig(s) 19D

1 Sectional designation should be noted with Arabic or

Roman number. Fig(s) 19D

## 8. ARRANGEMENT OF VIEWS 37 CFR 1.84(i)

1 Words do not appear on a horizontal, left-to-right fashion when page is either up right or turned, so that the top becomes the right side, except for graphs. Fig(s) 19D

1 Views not on the same plane on drawing sheet. Fig(s) 19D

## 9. SCALE 37 CFR 1.84(j)

1 Scale not large enough to show mechanism with crowding when drawing is reduced in size to two thirds in reproduction.

Fig(s) 19D

## 10. CHARACTER OF LINES, NUMBERS, & LETTERS 37 CFR 1.84(k)

1 Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).

Fig(s) 5, 12, 13, 15-18

## 11. SHADING 37 CFR 1.84(m)

1 Solid black area, pale. Fig(s) 19D

1 Solid black shading not permitted. Fig(s) 4, 6-8, 12

1 Shade lines, pale, rough, and blurred. Fig(s) 19D

## 12. NUMBERS, LETTERS, & REFERENCE CHARACTERS 37 CFR 1.84(p)

1 Numerals and reference characters not plain and legible.

Fig(s) 2, 3, 10, 11

1 Figure legends are poor. Fig(s) 19D

1 Numbers or reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3). Fig(s) 19D

1 English alphabet not used. 37 CFR 1.84(p)(3). Fig(s) 19D

1 Numbers, letters and reference characters must be at least 1/32 inch (0.8 mm) in height. 37 CFR 1.84(p)(3). Fig(s) 19D

## 13. LEAD LINES 37 CFR 1.84(q)

1 Lead lines cross each other. Fig(s) 19D

Fig(s) 19D

## 14. NUMBERING OF SHEETS OF DRAWINGS 37 CFR 1.84(r)

1 Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) 19D

## 15. NUMBERING OF VIEWS 37 CFR 1.84(s)

1 Views not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) 19D

## 16. CORRECTIONS 37 CFR 1.84(w)

1 Corrections not made from PTO 948 dated 11-17-99.

## 17. DESIGN DRAWINGS 37 CFR 1.152

1 Surface shading shown not appropriate. Fig(s) 19D

1 Solid black shading not used for solid contrast. Fig(s) 19D

COMMENTS

REVIEWER JC

DATE 5-11-00 TELEPHONE NO. 703 305 8430

ATTACHMENT TO PAPER NO. 1